

Docket No.: 1614.1143D

Serial No. 10/762,276

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 2, 4, 5, and 6 and ADD new claims 7 and 8 in accordance with the following:

1. (CURRENTLY AMENDED) An information-processing device, comprising:
at least one crossbar-board having a switching element mounted thereon;
a plurality of back panels detachably connected electrically and mechanically to different sides of said crossbar-board; and
at least one motherboard detachably connected electrically and mechanically to each of said back panels, the each motherboard having an information-processing semiconductor element mounted thereon and being connected to the switching elements at an equal length with respect to another information-processing semiconductor element,
wherein said crossbar-board has a rectangular shape, and said back panels are connected to longitudinal sides of said crossbar-board, the plurality of the back panels opposing each other.

2. (CURRENTLY AMENDED) The information-processing device as claimed in claim 1, wherein:
said crossbar-board further comprises connectors connecting the longitudinal sides of said crossbar-board to said back panels, each of the connectors having a connecting face parallel to a surface of said crossbar-board,
said back panels further comprise connectors respectively connecting said back panels to the longitudinal sides of said crossbar-board, each of the connectors having a connecting face perpendicular to a surface of each of said back panels, and
said crossbar-board is movable in a direction perpendicular to the surface thereof so as to connect said connectors thereof to said connectors of said back panels.

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3. (ORIGINAL) The information-processing device as claimed in claim 1, wherein said crossbar-board further comprises at least one extension crossbar-board connected at an end of said crossbar-board in a longitudinal direction.

4. (CURRENTLY AMENDED) An information-processing device comprising:
at least one crossbar-board having a switching element mounted thereon;
a plurality of back panels detachably connected electrically and mechanically to different sides of said crossbar-board; and

at least one motherboard detachably connected electrically and mechanically to each of said back panels, the each motherboard having an information-processing semiconductor element mounted thereon and being connected to the switching elements at an equal length with respect to another information-processing semiconductor element,

wherein said crossbar-board has a polygonal shape, and the plurality of the back panels are connected to the different sides of said crossbar-board, the plurality of the back panels being more than two.

5. (CURRENTLY AMENDED) An information-processing device, comprising:
a crossbar board-back panel assembly comprising a plurality of crossbar-boards each having a switching element mounted thereon, and a plurality of back panels detachably connected electrically and mechanically to different sides of each of said crossbar-boards; and
a plurality of motherboards detachably connected electrically and mechanically to each of said back panels, each of the plurality of the motherboards having an information-processing semiconductor element mounted thereon,

wherein each of said back panels is formed by a plurality of strip panels arranged at positions corresponding to said motherboards, the plurality of the strip panels crossing said crossbar-boards.

6. (CURRENTLY AMENDED) An information-processing device, comprising:
a crossbar board-back panel assembly comprising a plurality of crossbar-boards each having a switching element mounted thereon, and a plurality of back panels detachably connected electrically and mechanically to different sides of each of said crossbar-boards; and
a plurality of motherboards detachably connected electrically and mechanically to each of said back panels, each of the plurality of the motherboards having an information-processing

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semiconductor element mounted thereon,

wherein each of said back panels is formed by a plurality of strip panels arranged at positions corresponding to said crossbar-boards, said motherboards crossing the plurality of the strip panels.

7. (NEW) The information-processing device, as claimed in claim 5, wherein each mother board is connected to the switching elements at an equal length with respect to another information-processing semiconductor element.

8. (NEW) The information-processing device, as claimed in claim 6, wherein each mother board is connected to the switching elements at an equal length with respect to another information-processing semiconductor element.